



00801017200US00.txt

SEQUENCE LISTING

<110> HOLZBERG, STEVEN P.
POGUE, GREGORY P.

<120> CYTOPLASMIC INHIBITION OF GENE
EXPRESSION AND EXPRESSION OF A FOREIGN PROTEIN IN A MONOCOT
PLANT BY A PLANT VIRAL VECTOR

<130> 0801017200US00

<140> TO BE ASSIGNED
<141> 2001-01-25

<160> 74

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 17
<212> PRT
<213> Coxsackie virus

<400> 1
Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser Asn Pro Gly
1 5 10 15
Pro

<210> 2
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 2
Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15
Asn Leu Gly Pro
20

<210> 3
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 3
Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15
Asn Pro Arg Pro
20

<210> 4
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 4
Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15
Asn Pro Gly Pro
20

00801017200US00.txt

<210> 5
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 5
Gln Thr Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15
Asn Pro Gly Pro
20

<210> 6
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 6
Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15
Asn Pro Gly Pro
20

<210> 7
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 7
His Tyr Ala Gly Tyr Phe Ala Asp Leu Leu Ile His Asp Ile Glu Thr
1 5 10 15
Asn Pro Gly Pro
20

<210> 8
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 8
His Tyr Ala Gly Tyr Phe Ser Asp Leu Leu Ile His Asp Val Glu Thr
1 5 10 15
Asn Pro Gly Pro
20

<210> 9
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 9
Tyr His Ala Asp Tyr Tyr Lys Gln Arg Leu Ile His Asp Val Glu Met
1 5 10 15
Asn Pro Gly Pro
20

<210> 10
<211> 19
<212> PRT
<213> Coxsackie virus

<400> 10
Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15

Asn Pro Gly

<210> 11		
<211> 28		
<212> DNA		
<213> Barley stripe mosaic virus		
<400> 11		28
cttctccgt tgctagctaa aaaaaaaaa		
<210> 12		
<211> 21		
<212> DNA		
<213> Barley stripe mosaic virus		
<400> 12		21
agttacttct tgaatttctc c		
<210> 13		
<211> 39		
<212> DNA		
<213> Barley stripe mosaic virus		
<400> 13		39
tatagcgcgc atttaaattt gtcttccctt gggggaccg		
<210> 14		
<211> 49		
<212> DNA		
<213> <i>Saccharomyces cerevisiae</i>		
<400> 14		49
tatgcttagct gattaattaa gtcgacgagc tgatttaaca aatttttaac		
<210> 15		
<211> 44		
<212> DNA		
<213> <i>Saccharomyces cerevisiae</i>		
<400> 15		44
tatgcttagct gagcggccgc gcacgtgtca gtcctgctcc tcgg		
<210> 16		
<211> 46		
<212> DNA		
<213> Barley stripe mosaic virus		
<400> 16		46
tatacttagtt taattaagtc gaccatggct agcaaaggag aagaac		
<210> 17		
<211> 44		
<212> DNA		
<213> Barley stripe mosaic virus		
<400> 17		44
tatacttagtt gagcggccgc ttatttttagt agctcatcca tgcc		
<210> 18		
<211> 43		
<212> DNA		
<213> Barley stripe mosaic		

00801017200US00.txt

<400> 18		
tatagagctc tacaaatcta gaatggctac tttctcttgt gtg		43
<210> 19		
<211> 21		
<212> DNA		
<213> Barley stripe mosaic virus		
<400> 19		
agagtcgtt aagattcatg g		21
<210> 20		
<211> 30		
<212> DNA		
<213> Tobacco mosaic virus		
<400> 20		
cattaattaa gatgatggct agcaaaggag		30
<210> 21		
<211> 112		
<212> DNA		
<213> Tobacco mosaic virus		
<400> 21		
atatctagac cttaggaccag ggtagattc cacgtcaccc gccaaacttca gcaaatcaa	60	
attcaacagc tgttttaga gctcagcggc cgccttgtat agctcatcca tg	112	
<210> 22		
<211> 98		
<212> DNA		
<213> Tobacco mosaic virus		
<400> 22		
tatactagtc agctgttcaa ttttgatttgc ctgaagttgg cgggtgacgt ggaatctaacc	60	
cctggcctg tcgacaaagg agaagaactt ttcactgg	98	
<210> 23		
<211> 49		
<212> DNA		
<213> Tobacco mosaic virus		
<400> 23		
tatgctagcg atcaatttgc ggccgcttat ttgttagagct catccatgc	49	
<210> 24		
<211> 39		
<212> DNA		
<213> Homo sapiens		
<400> 24		
ggccgcttat ccgtatgatg ttccggatta tgccgagct	39	
<210> 25		
<211> 31		
<212> DNA		
<213> Homo sapiens		
<400> 25		
cggcataatc cgaaacatca tacggataag c	31	
<210> 26		

00801017200US00.txt

<211> 42	
<212> DNA	
<213> Chicken	
<400> 26	
ggccgctgaa caaaagctta tctctgagga agatctttag ct	42
<210> 27	
<211> 34	
<212> DNA	
<213> Chicken	
<400> 27	
caagatcttc ctcagagata agctttgtt cagc	34
<210> 28	
<211> 39	
<212> DNA	
<213> Cnidaria	
<400> 28	
ggccgctcat catcaccatc accatcacca tcacgagct	39
<210> 29	
<211> 31	
<212> DNA	
<213> Cnidaria	
<400> 29	
cgtgatggtg atggtgatgg tgatgtgag c	31
<210> 30	
<211> 32	
<212> DNA	
<213> Brome mosaic virus	
<400> 30	
tatttaatta agatgtcgac ttcaggaact gg	32
<210> 31	
<211> 30	
<212> DNA	
<213> Brome mosaic virus	
<400> 31	
tatgcggccg ccctataaag cgggggtgaag	30
<210> 32	
<211> 33	
<212> DNA	
<213> Chicken	
<400> 32	
tatttaatta agatgacttg ccagacttac aac	33
<210> 33	
<211> 31	
<212> DNA	
<213> Chicken	
<400> 33	
tatgcggccg cgcaattgca tctcctctga g	31

00801017200US00.txt

<210> 34
<211> 34
<212> DNA
<213> Bovine

<400> 34
tatattaattt agatgaaggc tctcgattt ctgg

34

<210> 35
<211> 30
<212> DNA
<213> Bovine

<400> 35
tatgcggccg ccagggtgca accctcaacg

30

<210> 36
<211> 38
<212> DNA
<213> Homo sapiens

<400> 36
tatattaattt agatggaaaa aatggcttct ctatttgc

38

<210> 37
<211> 33
<212> DNA
<213> Homo sapiens

<400> 37
tatgcggccg cgaaaccgca ggaaccttca acg

33

<210> 38
<211> 33
<212> DNA
<213> Tomato

<400> 38
tatattaattt agatggagtc aaagtttgct cac

33

<210> 39
<211> 33
<212> DNA
<213> Tomato

<400> 39
tatgcggccg cagtcaccac aggcatggt ac

33

<210> 40
<211> 25
<212> DNA
<213> Barley stripe mosaic virus

<400> 40
atagatatcg atccccttat agtgc

25

<210> 41
<211> 34
<212> DNA
<213> Barley stripe mosaic virus

<400> 41
atagctagca agcatgcgaa ggttaataca gtag

34

00801017200US00.txt

<210> 42	
<211> 46	
<212> DNA	
<213> Barley stripe mosaic virus	
<400> 42	46
tatactagtt taattaagtc gaccatggct agcaaaggag aagaac	
<210> 43	
<211> 44	
<212> DNA	
<213> Barley stripe mosaic virus	
<400> 43	44
tattctagat gagcggccgc ttattttag agctcatcca tgcc	
<210> 44	
<211> 46	
<212> DNA	
<213> Barley stripe mosaic virus	
<400> 44	46
tatagagctc tacaataat ctagaatggc tactttctct tgtgtg	
<210> 45	
<211> 21	
<212> DNA	
<213> Barley stripe mosaic virus	
<400> 45	21
agagtcgtt aagattcatg g	
<210> 46	
<211> 35	
<212> DNA	
<213> Barley stripe mosaic virus	
<400> 46	35
ata>taggtct cccatgatgg ctactttctc ttgtg	
<210> 47	
<211> 39	
<212> DNA	
<213> Barley stripe mosaic virus	
<400> 47	39
tattaggtct cccatggcct tagaaacgga agaagaatc	
<210> 48	
<211> 35	
<212> DNA	
<213> Barley stripe mosaic virus	
<400> 48	35
ata>taggtct cccatgatgg ctactttctc ttgtg	
<210> 49	
<211> 37	
<212> DNA	
<213> Barley stripe mosaic virus	
<400> 49	

00801017200US00.txt 37
tattaggtct cccatggcag gaccagggtt agattcc
<210> 50
<211> 21
<212> DNA
<213> Barley stripe mosaic virus.

<400> 50
ggaaagccgg cgaacgtggc g 21

<210> 51
<211> 58
<212> DNA
<213> Barley stripe mosaic virus

<400> 51
tatattcgaa tctagaatcg atgctagctt gcatgctgtg aagtggtaaa agaaatgc 58

<210> 52
<211> 35
<212> DNA
<213> Tobacco mosaic virus

<400> 52
atatagggtct cccatggcta gcaaaggaga agaac 35

<210> 53
<211> 48
<212> DNA
<213> Tobacco mosaic virus

<400> 53
tattaggtct cacatgcattt ctcttagattt gtagagctca tccatgcc 48

<210> 54
<211> 35
<212> DNA
<213> Tobacco mosaic virus

<400> 54
atatagggtct cccatggcta gcaaaggaga agaac 35

<210> 55
<211> 100
<212> DNA
<213> Tobacco mosaic virus

<400> 55
tttaggtctca catgtctaga ggaccagggt tagattccac gtcacccgcc aacttcagca 60
aatcaaaaatt caacagctgt ttgttagagct catccatgcc 100

<210> 56
<211> 35
<212> DNA
<213> Tobacco mosaic virus

<400> 56
atatagggtct cccatggcta gcaaaggaga agaac 35

<210> 57
<211> 41
<212> DNA
<213> Tobacco mosaic virus

00801017200US00.txt

<400> 57	
tattagaatt ctctagatta ttttagagc tcatccatgc c	41
<210> 58	
<211> 31	
<212> DNA	
<213> Barley stripe mosaic virus	
<400> 58	
tatactagta tggacatgac gaaaactgtt g	31
<210> 59	
<211> 31	
<212> DNA	
<213> Barley stripe mosaic virus	
<400> 59	
tatgctagct tatttggcct tgaaccaact g	31
<210> 60	
<211> 31	
<212> DNA	
<213> Barley stripe mosaic virus	
<400> 60	
tatactagtc agctgttcaa ttttgatttgc	31
<210> 61	
<211> 35	
<212> DNA	
<213> Black hulless barley	
<400> 61	
atattaatta actaaaccca tattgcttga ggcaa	35
<210> 62	
<211> 35	
<212> DNA	
<213> Black hulless barley	
<400> 62	
tatgcggccg cctagtgttag tcaccagcta gatag	35
<210> 63	
<211> 35	
<212> DNA	
<213> Black hulless barley	
<400> 63	
tatgcggccg cctactttca ggaggattac catcc	35
<210> 64	
<211> 35	
<212> DNA	
<213> Black hulless barley	
<400> 64	
atattaatta actggatgaa aaagcagggt gttcc	35
<210> 65	
<211> 32	
<212> DNA	

00801017200US00.txt

<213> Corn leaf		
<400> 65		
atattaattt acatggacac tggctgcctg tc	32	
<210> 66		
<211> 35		
<212> DNA		
<213> Corn leaf		
<400> 66		
tatgcggccg cctacaaaagc aatcaaaaatg cactg	35	
<210> 67		
<211> 34		
<212> DNA		
<213> Corn leaf		
<400> 67		
atattaattt acaaggttagc tgcttgaaag gatg	34	
<210> 68		
<211> 35		
<212> DNA		
<213> Corn leaf		
<400> 68		
tatgcggccg cctaggcagg ttttgacatg tctgc	35	
<210> 69		
<211> 33		
<212> DNA		
<213> Corn leaf		
<400> 69		
atattaattt accagtgcattttgattgct ttg	33	
<210> 70		
<211> 35		
<212> DNA		
<213> Corn leaf		
<400> 70		
tatgcggccg cctaagatgg gacggaaact tctcc	35	
<210> 71		
<211> 35		
<212> DNA		
<213> Nicotiana benthamiana		
<400> 71		
atattaattt acatggccca aattggactt gtttc	35	
<210> 72		
<211> 35		
<212> DNA		
<213> Nicotiana benthamiana		
<400> 72		
tatgcggccg cctactaaac tacgcttgct tctgc	35	
<210> 73		
<211> 35		

00801017200US00.txt

<212> DNA
<213> Nicotiana benthamiana

<400> 73
tatgcggccg cctagggttt atgaagttaa gtgcc

35

<210> 74
<211> 35
<212> DNA
<213> Nicotiana benthamiana

<400> 74
atattaatta acaaggcact taacttcata aaccc

35